

Zinciferrous Oligonite from the Sherlov
Mountain, by F. V. Chukhrov, 8 2 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 2, 1964, pp 429-430.

AGI

Sci

Feb 63

Paleogene-Neogene Provinces of Sediment
Accumulation in Northwest Asia, by
V. V. Lavrov, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 2, 1964, pp 431-.

AGI

Sci

Feb 63

New Charts of the Cotidal Lines of Semi-Diurnal Tidal Waves (M_2 and S_2) for the Pacific Ocean, by K. T. Bogdanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2, 1961, pp 441-444.

AGU

Sci
Dec 62

Measurement of Electric Fields in the Sea, by
L. G. Solov'yev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 2, 1961, pp 445-447.

AGU

Sci
Dec 62

On The Theory of Optimal Tracking, by
D. L. Kelendzheridze, 6 pp.

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Vol CXXXVIII,
No 3, 1961, pp 529-532. 9677433

FTD-TT-62-484

Sci - Phys

10 Jul 62

202,291

An Unsteady Flow Problem in Magnetic Hydrodynamics,
by D. V. Sharikadze,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, 1961,
pp 568-571.

NASA TT F-8046

170,189

Sci
Oct 61
List 2

US GOV'T ONLY

On the Instability of a Nonuniform Rarefied Plasma
in an Intense Magnetic Field, by L. I. Rudakov,
R. Z. Sagdeyev,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 3, 1961, pp 561-583.

NASA TT F-8044

JPRS 10607
168,668

Sci
Sep 61

US GOV'T ONLY

A General Method for Determining the Optimum
Distributions for Line Antennas, by
V. L. Pokrovsky, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 3, 1961, pp 584-586. 9673048

Sci - Electron

15 Feb 62

FTD-TT-61-228

FTD-MCL-1320/1

182,613

The Theory of Fronts, by L. N. Gutman,
L. N. Malko, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 587-^{SSR}590

AGI

NLU M 5012

Sci

Feb 63

62-25674

Akhrem, A. A. and Kuznetsova, A. I.
THE EMPLOYMENT OF THIN-LAYER CHROMA-
TOGRAPHY. [1962] [7]p. 11 refs.
Order from OTS or SLA \$1.10 62-25674

Trans. of Akademiya Nauk SSSR. Doklady, 1961,
v. 138, no. 3, p. 591-594.

DESCRIPTORS: *Steroids, Separation. *Chromato-
graphic analysis. Sulfuric acid.

Two examples of separation of epimeric steroid oxides
are cited.

(Chemistry--Analytical, TT, v. 3, no. 2)

I. Akhrem, A. A.
II. Kuznetsova, A. I.
III. Translations, New York

Kinetics of the Dehydrogenation of Ethylbenzene to Styrene, by A. A. Balandin, O. K. Bogdanova, I. P. Belomestnykh, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 3, 1961, pp 595-597.

CB

Sci

May 62

On the Λ Composition and Properties of Uranates, by
E. A. Ippolitova, L. M. Kovba, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 3,
1961, pp 605-607.

CB

Sci

May 62

The Polymerization of Nitroethylene by γ -Rays,
by V. N. Sokolov, I. Ya. Poddubnyy, V. V.
Perekalin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 3, 1961, pp 611-620. 9677420

FTD-MT-62-296

Sci - Chem, Phys

202,199

10 Jul 62

Tatevskii, V. M., Spiridonov, V. P., and Akishin,
P. A.
A FEATURE OF THE INTERATOMIC DISTANCES IN
MOLECULES OF THE HALIDES OF VARIOUS GROUPS
IN THE PERIODIC SYSTEM OF ELEMENTS. [1962]
[7]p. 16 refs.

Order from OTS or SLA \$1.10

63-13861

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 138, no. 3, p. 621-624.

DESCRIPTORS: *Halides, *Molecular structure, Group
I elements, Group II elements, Group IV elements.

(Chemistry--Physical, TT, v. 10, no. 3)

63-13861

I. Tatevskii, V. M.
II. Spiridonov, V. P.
III. Akishin, P. A.
IV. Translations, New York

Office of Technical Services

Spores and Pollen of Triassic Deposits
of the Southern Pechora Basin, by
L. M. Varyukhina, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 631-634.

AGI

Sci

Feb 63

The Mesozoic Flora of the South Yakutsk Coal.
Basin and Its Stratigraphic Range, by
R. Z. Genkina, 3 pp.

SSS
RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 635-639.

AGI

Sci

Feb 63

The Relationship Between the Silurian and
Underlying Deposits in the North Caucasus,
by I. S. Krasivskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk^{SSR}, Vol CXXXVIII,
No 3, 1962, pp 639-642.

AGI

Sci

Feb 63

The Age of the Volcanic-Sedimentary Beds
of the outhwest Fland of the Kholzunsk-
Chuysl Anticlinorium of Rudnyy Altay,
by V. A. Kuznetsov, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 643-646.

AGI

Sci

Feb 63

New Data on the Upper Pliocene fo the
Kuban, by N. A. Lebedeva, G. I. Popov,
3 pp.

RUSSIAN, per, Dok Ak Nauk^{SSSR}, Vol CXXXVIII,
No 3, 1962, pp 647-650.

AGI

Sci

Feb 63

Composition of Microfauna of Murmulitic Layers
Of Cape Izendy-Aral on the Northern Shore of
the Aral Sea, by R. Kh. Lipman.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 3, 1961, pp 651-654. 9094847

USDA Tr V-821721

Sci - Biol

177,300

Dec 61

Certain Devonian Algae of Central Asia and
of Other Regions of the USSR and Their
Rock-Forming and Paleogeographic Importance,
by A. D. Miklukho-Maklay, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 655-658.

AGI

Sci

Feba63

New Data on the Division of Tertiary Deposits
in the Lower Course of the Aldan River, by
I. M. Khoreva, R. Ye. Giterman, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 659-662.

AGI

Sci

Feb 63

Silicate Water and Its place in Horizontal
Hydrochemical Zoning, by K. V. Filatov,
4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 663-666.

AGI

Sci

Feb 63

The Problem of Recrystallization in Crystal-
Bearing Quartz Veins, by N. I. Myaz,
4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 667-670

AGI

Sci

Feb 63

Quartz-Feldspar Metasomatites in Skarn Deposits,
by V. A. Zharikov, 2 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 671-673

AGI

Sci

Feb 63

The Concentration of Thorium Isotopes in the
Water of the Sea of Azov, by D. S.
Nikolayev, K. F. Lazarev, 2 pp.

RUSSIAN, per, Dok Ak Nauk , Vol CXXXVIII,
No 3, 1962, pp 674-676

AGI

Sci

Feb 63

Are Not Sycidium and Chovanella the Utricles
of Charaophytes, by V. P. Maslov,
3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 3, 1962, pp 677-.

AGI

Sci

Feb 63

Hypothalamic Regulation of the Intermediate
Lobe of the Hypophysis, by A. A. Voitkevich.
RUSSIAN, per, Doklady Akad. Nauk SSSR, Vol 138,
No 3, 1961, pp 710-713.
NLL RTS 2964

Sci-B and M
Nov 67

345,231

On the Integral Representation of Jost,
Lehmann, and Dyson, by V. S. Vladimirov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV/11,
No 4, 1961, pp 809-812.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

888
182, ~~877~~

Jan 62

The Heat Effect of the Hydrolysis of Alkyl-
and Arylchlorosilanes, by K. A. Andryanov, S. A.
Pavlov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 5, 1953, pp 811-814.

MGB/254

Sci
Dec 62

The Boundary-Value Problem of the Propagation
of Electromagnetic Waves in a Spherically
Stratified Anisotropic Dissipative Medium,
by P. E. Krasnushkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 4, 1961, pp 813-816.

SLA 62-33203

AIF

Sov Phys - Dok

Vol VI, No 6

Sci

NASA TTF-8105

904
182, 674

Jan 62

Motion of a Finitely Conducting Medium in the
Presence of a Plane Magnetic Field, by D. V.
Sharikadze,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, 1961,
pp 817-819.

NASA TT F-64 8052

170, 196

Sci
Oct 61
List 2
US GOV'T ONLY

The Reciprocity Law and the Quasi-Stationary
Nature of Electronic Processes in Photo-
electrets, by Ye. I. Adirovich, V. M.
Fridkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 4, 1961, pp 820-823.

AIP

Sov Phys - Dok

Vol. VI, No 6

Sci

Jan 62

906
182, 676

Angular Distribution of Sputtered Particles on
Irradiation of a Single Crystal by an Ion Beam, by
V. A. Molchanov, V. G. Tel'kovskiy, V. M. Chicherov,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 4,
1961, pp 824-827.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Dec 61

Investigation of the Carbon Concentration in a
 α -Phase During the Split Transformation of
Austenite, by L. I. Kogan, R. I. Entin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 4,
1961, pp 826-.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Dec 61

Isomerization and Dehydrogenation of the
Tetrahydrofuran Ring, by I. F. ~~Bel'skiy~~ Bel'skiy,
N. I. Shuikin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, a Vol. CXXXVIII,
No 4, 1961, pp 829, 830.

CB

Sci

May 62

Gol'dshtein, I. P., Faizi, N. Kh. and others.
COMPLEXES OF DIPHENYLETHYLENE WITH TIN
TETRACHLORIDE AND ORGANOTIN CHLORIDES.

[1961] 5p.

Order from ATS \$7.50

ATS-02N57R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 138, no. 4, p. 839-842.

DESCRIPTORS: *Complex compounds, *Styrenes, *Tin
compounds, *Chlorides, Metalorganic compounds,
Phenyl radicals, Ethylenes.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12145

- I. Gol'dshtein, I. P.
- II. Faizi, N. Kh.
- III. ATS-02N57R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

CB

Office of Technical Services

Kozina, M. P., Lukina, M. Yu. and others.
THE HEATS OF COMBUSTION OF SOME PHENYL-
CYCLOPROPANES. [1962] [5]p. 15 refs.
Order from OTS or SLA \$1.10 63-15131

Trans. of Akad[emiya] Nauk SSSR, (Doklady, 1961,
v. 138, no. 4, p. 843-845.

DESCRIPTORS: Heat of reaction, *Combustion,
*Phenyl radicals, *Propanes, Thermochemistry.

The present paper reports the results of a determina-
tion of the heat of combustion of phenylcyclopropane,
1,1-diphenylcyclopropane, and the two stereoisomeric
1,2-diphenylcyclopropanes.

(Chemistry--Physical, TT, v. 9, no. 12)

63-15131

- I. Kozina, M. P.
- II. Lukina, M. Yu.
- III. Translations, New York

Office of Technical Services

Rabinovich, I. B., Tel'noti, V. I. and others.
THE THERMOCHEMISTRY OF THE REACTION OF
HEXAETHYLDISTANNANE WITH BENZOYL
PEROXIDE. [1962] [7]p. 14 refs.
Order from OTS or SLA \$1.10

63-15129

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 138, no. 4, p. 852-855.

DESCRIPTORS: *Thermochemistry, Chemical reac-
tions, *Benzoyl radicals, Heat, *Peroxides, *Tin
compounds, Ethyl radicals, *Metalorganic compounds,

The present paper is a study of the thermochemistry of
the reaction between hexaethyldistannane and benzoyl
peroxide, with dibutyl phthalate employed as the
solvent.

(Chemistry--Physical, TT, v. 9, no. 12)

63-15129

I. Rabinovich, I. B.
II. Tel'noti, V. I.
III. Translations, New York

Office of Technical Services

62-12121

Dubinin, M. M.
COMPOSITION OF UNIT CELLS AND MAXIMUM
ADSORPTION VOLUMES OF DEHYDRATED
SYNTHETIC ZEOLITE CRYSTALS. [1961] 5p.
Order from ATS \$9.00 ATS-71N56R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 138, no. 4, p. 866-869.

DESCRIPTORS: *Organolites, *Crystals, Adsorption.

(Chemistry--Organic, TT, v. 7, no. 3)

I. Dubinin, M. M.
II. ATS-71N56R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Zhdanov, S. P. and Koromal'di, E. V.
SELECTIVE SORPTION ON POROUS GLASSES.
Jan 62, 3p. 5 refs.
Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Akademiya Nauk SSSR. Doklady, 1961,
v. 138, no. 4, p. 870ff.

DESCRIPTORS: *Glass, *Porous filters, Adsorption,
Acids, *Absorbents, *Chemical engineering.

(Chemistry--Physical, TT, v. 8, no. 10)

62-34307

I. Zhdanov, S. P.
II. Koromal'di, E. V.
III. International Chemical
Engineering, New York

Office of Technical Services

THE FORMATION OF HYDRAZINE BY THE ACTION OF
 γ -RADIATION ON SOLID AND LIQUID AMMONIA,
BY YU. A. SOROKIN, S. YA. ~~PSHEZHETSKIY~~ PSHEZHETSKIY,
6 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXXXVIII,
NO 4, 1961, PP ~~880-883~~. 9677933

FTD-TT-62-838

SCI - PHYS
AUG 62

207,959

*AEC*₄(LIB-Trans-264) ₅THE APPLICABILITY OF THE
ALLEN'S MODEL TO THE RADIOLYSIS OF AQUEOUS SOLUTIONS.
₆Firsov, V. G.; Ershler, B. H. ₁₀Translated by V. Gavriloff
(Australian Atomic Energy Commission Research Establish-
ment, Lucas Heights), from ₁₅Dokl. Akad. Nauk SSSR; 138: No. 4,
884-5(1961). ₂₀7p. ₂₄Dep. CFSTI (U. S. Sales Only).

₂₅

₂₆chemistry (radio- and radiation); translations ₂₇07E

₂₈MN-4 ₂₉NP NSA

Phlegmatization of Explosives, by G. T. Afanas'yev, V.
K. Bobolev, 3 pp.

RUSSIAN, per, Dok Ak Bank SSSR, Vol CXXXVIII,
No 4, 1961, p 886-889

AF 1452419

Sci - Phys
Oct 61

OTS 61-31629
772, 179

CB

New Data on the Last Glaciation of Kola
Peninsula, by A. D. Armand, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 890-892.

AGI

Sci

Feb 63

New Data on the Paleogeography of the Quaternary
of Franz Josef Land in the Light of the First
Results of Radiocarbon Investigations, by
V. D. Dibner, 1 pp.

RUSSIAN, per, Dok Ak Nauk, CXXXVIII,
No 4, 1962, pp 893-894.

AGI

Sci

Feb 63

The Age of the Zaunguzsk Formation of
Turkmeniya, by A. I. Zhivotovskaya &
G. F. Shneyder, 2 pp.

RUSSIAN, per, Dok Ak Nauk, CXXXVIII,
No 4, 1962, pp 895-896.

AGI

Sci

Feb 63

The Problem of Small Intrusive Bundles
and Hydrothermal Streams in the
Pyrite-Polymetallic Fields of Rudnyy Altay,
by P. F. Ivankin, 2 pp.

RUSSIAN, per, Dok Ak Nauk, CXXXVIII,
No 4, 1962, pp 897-899.

AGI

Sci

Feb 63

The Central Sikhote-Alin Fault (Displacement),
by B. A. Ivanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 900-903.

AGI

Sci

Feb 63

The Baku Deposits of the Border Scarp Zone
of Northwestern Ustyurt, by
Yu. M. Kleyner, P. V. Fedorov, 2 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 904-905.

AGI

Sci

Feb 63

New Data on the Stratigraphy of the Schists
of the Middle Course of the Malka, by
I. S. Krasivskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 906-907.

AGI

Sci

Feb 63

On theComposition and Properties of the
Loess-Like Loams of the Western Slope of the
Volga Highlands (Using the Loess-Like Loams
of the Penza Regiona as an Example), by M. N. K
Lysenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 910-913.

AGI

Sci

feb 63

The Problem of the Age of the Lopyanetsk
Subformation of the Ukraine Carpathians, by
A. V. Maksimov, 2 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 914-915.

AGI

Sci

Feb 63

The Upper Permian-Lower Triassic Deposits
of the Fore-Caucasus Platform and the
Contiguous Regions, by M. F. Mirchink,
N. A. Krylov, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 916-919.

AGI

Sci

Feb 63

Characteristics of the Development of
Pleistocene Glaciations in the Northwest
of the Siberian Platform, by S. M. Tseytlin,
3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 920-~~923~~.

AGI

Sci

Feb 63

The Relation Between the Chemical Composition
of Subsurface Waters and the Composition
of the Interstitial Waters by Impervious
Clay Rocks, by N. P. Zatenatskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 924-927.

AGI

Sci

Feb 63

Spodumene Pegmatites of the Ukraine, by
V. G. Kushev,.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 4, 1962, pp 928-.

AGI

Sci

Feb 63

Nature of Some Structural Changes Induced in the
Adrenals by Ionizing Radiation, by B. M.
Graevskaya, R. N. Shchedrina, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 0, 1961, pp 941-944.

4

AIP
Sov Phys - Dok
Vol VI, No 6

Sci
Jan 62

899
182, 685

Anaphase Bridges and Acentric Fragments as
Biological Parameters of Radiation Dose for
Mammals, by I. M. Shapiro, I. B. Smirnova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 4,
1961, pp 945.-

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Dec 61.

The Effect and Aftereffect of the Radioactive
Isotope Strontium-90 on Plants, by R. A.
Shirshova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 4, 1961, pp 8948-.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Jan 62

893
182, 856

62-18630

Savkina, I. G. and Evstigneev, V. B.
COMPARISON OF THE PHOTOSENSITIZING ACTIVITIES OF CHLOROPHYLLS a AND b IN SOLUTION.
[1962] [Sp. 12 refs.
Order from OTS or SLA \$1.10

62-18630

Trans. of Akademiya Nauk SSSR. Doklady, 1961,
v. 138 [no. 4] p. 958-961.

DESCRIPTORS: *Photosensitivity, *Chlorophylls, Solutions, Photosynthesis, Photochemical reactions, Pyridines, *Organic solvents.

The experimental results of this work favors the hypothesis of the accessory photochemical role of chlorophyll b in relation to chlorophyll a in the photosensitization of photosynthesis. (Author)

(Biological Sciences--Biochemistry, TT, v. 9, no. 6)

I. Savkina, I. G.
II. Evstigneev, V. B.

Office of Technical Services

Behaviour of Unperturbable Systems in
Inertial Space, by V. A. Bodner,
V. P. Seleznev, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXXVIII,
No 5, 1961, pp 1043-1046. 9671659

FTD-TT-61-63

Sci - Phys

14 Dec 61

176, 114
AIP
Sci Phys - Tech
Vol VI, 1966

The Stability of Strips under Compression,
by L. V. Ershov, D. D. Ivlev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 5, 1961, pp 1047-~~1049~~.

AIP

Sov Phys - Dok
Vol VI, No 6

Sci

Jan 62

896
182, 682
OTS TT-62-28201 (RUSSIAN to FRENCH)

Settling Time of a Fixed Amount of Oxygen in the
Atmospheres of Planets Containing Water Vapor, by
E. K. Ryubner, Tpp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXCVIII, No 5,
1961, pp 1050-1053. 9215844

AIP
Sov Phys-Dok
Vol VI, No 6

OTS TT-63-11750

NASA TT F-86

Sci-Earth Sci & Astron
Jan 64

246,186

Solution of the Boundary ~~2a~~ Problem of Radiowave
Propagation Around the Earth With Allowance For
The Basic Geophysical Factors, by P. E. Krasnushkin,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 5, 1961, pp 1055-1058.

NASA TT F-8059

Sci
Oct 61
List 2
US GOV'T ONLY

170, 195
ATP
Sov Phys - Dok
Vol VI, No 6

A Study of the Electrical Resistance of Cerium,
Lanthanum, and Neodymium at Pressures up to
250,000 kg/cm², by L. F. Vereshchagin, A. A.
Semerchan, S. V. Popova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5,
1961, pp 1059-.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Dec 61

Increasing the Strength of Thin Glass, by
L. A. Boguslavskiy, F. F. Vitman, V. P. Pukh,
3 pp,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 6, 1961, pp 1062-1065.

5

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Jan 62

901

182, 679

A Contactless Method of Conductivity
Measurement, by V. I. Lopatnikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 5, 1961, pp 1066-1068.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Jan 62

90.2
182,680

The High-Temperature Branch of the Background
of Internal Friction, by N. S. Pastov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 5, 1961, pp 1069-.

AIP

Sov Phys - Dok

Vol VI, No 6

903

Sci

Jan 62

182, 684

the Elimination of Long Waves in the
Hydrodynamic Forecast of Pressur Fields
in the Middle and Uppper Troposphers Above
the Ngrthern Hemisphere, by M. B. Galin,
4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1073-1075.

AGI

Sci

Feb 63

The Integration of the Marine Current
theory Equations in Multiply Connected
Regions, by V. M. Kamenkovich, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1076-1079.

AGI

Sci

Feb 63

The Growth of Long Wind Waves on a Shallow
Sea, by A. P. Khvan, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1080-1083.

AGI

Sci

Feb 63

The Movement of Dislocations in Antimony
Crystals, by L. M. Soifer, V. I. Startsev,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 8, 1961, pp 1084-.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Jan 62

886
182, ~~677~~

61-25465

Gel'man, A. D. and Essen, L. N.
KINETICS OF SUBSTITUTIONS IN THE INNER
SPHERE OF COMPLEX MOLECULES. [1961] 5p.
Order from ATS \$7.00 ATS-72N54R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 138, no. 5, p. 1095-1098.

DESCRIPTORS: *Complex compounds, *Molecular
structure, *Substitution reactions, Reaction kinetics.

I. Gel'man, A. D.
II. Essen, L. N.
III. ATS-72N54R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.
ATS/R-3024

CB

5087

(Chemistry--Physical, TT, v. 6, no. 11)

Office of Technical Services

Thermal Decomposition of Diphenylguanidine and Its
Reaction With Sulfur at Vulcanization Temperature,
by B. A. Dogadkin, N. N. Pavlov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5,
1961, pp 1111-1114.

CB

Sci

May 62

Synthesis and Geometric Configuration of Diethyl
Esters of Dodeca-2,4,6,8-10-pentaene-1,12-dioic and
Hexadeca-2,4,6,8,10,12,14-heptaene-1,16-dioic Acids,
by V. F. Kucherov, B. G. Kovalev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5,
1961, pp 1115-1117.

CB

Sci

May 62

62-14628

Razuvaev, G. A., Latyaeva, V. N., and Vyshinskaya, L. I.

REACTIONS OF BENZOYL PEROXIDE WITH TITANOCENE DERIVATIVES [Reaktsii Peroksid Benzoina s Prolzvodnymn Titanotsena]. 29 Sep 61 [7]p. 3 refs. Order from OTS or SLA \$1.10 62-14628

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961, v. 138 [no. 5, p. 1126-1129].

DESCRIPTORS: *Benzoyl radicals, *Peroxides, Metal-organic compounds, *Titanium compounds, *Cyclopentadiene, Pentadienes, Chemical reactions, Benzoxates, Benzenes, Propanols, Alcohols.

No breakdown of the titanocene group took place in the reaction of benzoyl peroxide with Cp_2Ti in the cold in benzene or isopropanol solution. There was an instantaneous change in the color of the solution from dark green to bright yellow; no CO_2 was evolved in the (Chemistry--Organic, TT, v. 8, no. 6) (over)

I. Razuvaev, G. A.
II. Latyaeva, V. N.
III. Vyshinskaya, L. I.

Office of Technical Services

Polycondensation at an Interphase, by A. P. Terent'yev,
I. G. Mochalina, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5,
1961, pp 1130-1131

CB

Sci

May 62

Catalytic Dehydrogenation of Dihydrofurans, by N I.
Shuikin, I. F. Bel'skiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5,
1961, ~~xx~~ pp 1136-1138.

CB

Sci

May 62

Neogene Deposits in the Northeast of Franz
Josef Land, by V. D. Dibner, 2 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1163-1165.

AGI

Sci

Feb 63

Manifestations of Magmatic Activity in the
Territory of Korea, by V. L. Masaytis, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1166-1169.

AGI

Sci

Feb 63

New Jurassic Basin in the Southwest of the
Siberian Platform, by M. M. Odintsov, 2 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1170-1171.

AGI

Sci

Feb 63

Discovery of Cinnamomum in the Micone of
Ciscarpathia, by N. Ya. Shvareva, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1172-1174

AGI

Sci

Feb 63

Some Problems of the Geochemistry of the
Usinsk Manganese Deposit (Kuznetsk Ala-Tau),
by I. M. Varentsov, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1175-1178.

AGI

Sci

Feb 63

The Laws of the Accumulation of the Bromide
Ion in Underground Brines, by A. M. Kuznetsov,
G. A. Maksimovich, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 5, 1962, pp 1179-1182.

AGI

Sci

Feb 63

On Certain Details of the Process of Sedimentary Ore Formation)As Exemplified by the Manganese Ores of the Eastern Trans-Ural Region), by L. Ye. Shterenberg, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII, No5, 1962, pp 1183-.

AGI

Sci

Feb 63

Comparative Analysis of Portirradiation
Recovery for Diploid Yeasts Exposed to Alpha
and Gamma Rays, by V. Bilushi, V. I. Korogodin,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 5, 1961, pp 1208-1211.

5

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

894
182, 689

Jan 62

Experimental Analysis of the Effect of
Radiation on Cellular Nuclei in the Culture
of Embryonal Human Tissues, by N. P.
Dubinin, Yu. Ya. Kerkis, L. I. Lebedeva,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 5, 1961, pp 1212-.

AIP

Sov Phys - Dok

Vol VI, No 6

Sci

Jan 62

895
182, 888

62-27321

Radchenko, O. A.
UEBER EINEN NEUEN PARAMETER DER GENETISCHEN
ERDÖL-KLASSIFIZIERUNG (On a New Parameter of the
Genetic Classification of Mineral Oil). 7p.
Order from TIB \$1.45

Trans. in German of Akademiya Nauk SSSR, Doklady,
1961, v. 138 [no. 5] p. 1234-1237.

DESCRIPTORS: *Genetics, *Mineral oils, Classification.

(Chemistry--Organic, TT, v. 9, no. 11)

I. Radchenko, O. A.
II. Technische Informations-
bibliothek, Hannover
(West Germany)

Office of Technical Services

(P-6702)

Conditioned Reflex Changes in Respiratory
Gas Exchange and the Bioelectrical Activity
of the Brain and Skeletal Muscles, by
R. F. Oshyanskaya, G. A. Trubitsyna,
7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR,
Vol CXXXVIII, No 5, 1961, pp 1245-1247.

JPRS 12090

Sci - Med

180,988

Jan 62

On the Flow of a Rarified Gas Into a Vacuum
From a Point Source, by A. Ya. Pressman,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 6, 1961, pp 1305-1308.

AIP
Sov Phys - Dok
Vol VI, No 6

NASA TT-F-813588.5
182, ~~678~~

Sci

Jan 62

Approximate Equations for the Coupled
Oscillations of Water ~~and~~ and Vessel in
Transport Vessel Hoist and Sluice
Chambers, by O. F. Vasil'yev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 6, 1961, pp 1309-1312.

AIP
Sov Phys - Dok
Vol VI, No 6

887
182, ~~672~~

Sci

Jan 62

Theory of Small Amplitude Vibrations, by
G. I. Gurevich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 6, 1961, pp 1313-.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Jan 62

905
182, ~~675~~

Dynamics of Viscoelastic Shells and Plates, by E. I.
Grigolyuk,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, 1961,
pp 1317-1320.

NASA TT F-8058

Sci
Oct 61

List 2

US GOV'T ONLY

170.199
AIP
Sov Phys - Dok
Vol VI, No 1

On the Construction of a Theory of Elasticity,
by D. D. Ivlev, 3 pp.

RUSSIAN, # per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 6, 1961, pp 1321-1324.

AIP

Sov Phys - Dok

Vol VI, No 6,

Sci

897
182, 683

Jan62

Transcritical Deformation of Cylindrical
Shells under External Pressure, by A. V.
Pogorelov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 6, 1961, pp 1325-.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Jan 62

898
182, 684

Energy Distribution of Electrons in
Photoionization of Aromatic Amines in
the Gaseous Phase, by F. I. Vilesov,
B. L. Kurbatov, A. N. Terenin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 6, 1961, pp 1329-1332.

AIP
Sov Phys - Dok
Vol VI, No 6

Sci

Jan 62

907
182, 644

A Study of the Optical Properties of Transparent
Materials Under High Pressure, by XXXA
Ya. B. Zel'dovich, S. B. Kormer, M. V. Sinitsyn,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 6, 1961, pp 1333-1336.

AIF
Sov Phys - Dok
Vol VI, No 6

Sci

Jan 62

900
182, 678